Ghost Graph Directions for Teachers

Use 1 cm grid paper.

Free grid paper is available at http://www.incompetech.com

There are 4 versions for this pumpkin graph.

Page 3 graph – Quadrant 1 (All points are given)

Page 4 – Quadrant 1

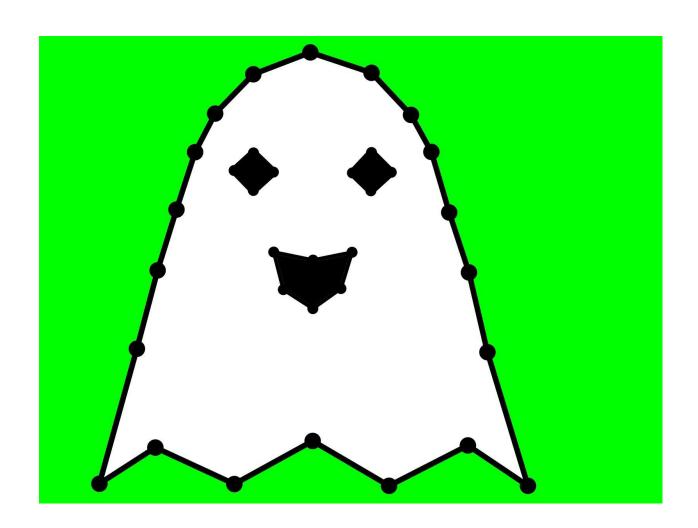
(All points are given but students don't know what the image is)

Page 6 – Use a 4 Quadrant Graph

(Students must determine half the points to reflect the image)

Page 7 – Use a 4 Quadrant Graph

(Students must determine half the points to reflect the image and they don't know what the image is)



Name: Pd: Date:

Ghost Graph

Ghost Body	Eyes	Mouth
Connect (0, 5) (2, 12) (3, 16) (4, 19) (5, 22) (6, 24) (8, 26) (11, 27) (14, 26) (16, 24) (17, 22) (18, 19) (19, 16) (20, 12) (22, 5) (19, 7) (15, 5) (11, 7) (7, 5) (3, 7) (0, 5) Stop	Connect (7, 21) (8, 22) (9, 21) (8, 20) Stop Connect (13, 21) (14, 22) (15, 21) (14, 20) Stop	Connect (9, 17) (11, 16.5) (13, 17) (12.5, 15) (11, 14) (9.5, 15) (9, 17) Stop
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Name:	Pd:	Date:
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____ Graph

Connect
(0, 5)
(2. 12)
(3 16)
(4 19)
(5, 22)
(6, 24)
(0, 24)
(8, 26)
(11, 27)
(14, 26)
(16, 24)
(17, 22)
(18, 19)
(19, 16)
(20, 12)
(22, 5)
(19, 7)
(15, 5)
(11, 7)
(7.5)
(3.7)
(0, 5) (2, 12) (3, 16) (4, 19) (5, 22) (6, 24) (8, 26) (11, 27) (14, 26) (16, 24) (17, 22) (18, 19) (19, 16) (20, 12) (22, 5) (19, 7) (15, 5) (11, 7) (7, 5) (3, 7) (0, 5) Stop
Stop
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Connect	
(7, 21)	
(8, 22)	
(9, 21)	
(8, 20)	
Stop	
Connect	
(13, 21)	
(14, 22)	
(15, 21)	
(14, 20)	
Stop	

Connect
(9, 17)
(11, 16.5)
(13, 17)
(12.5, 15)
(11, 14)
(9.5, 15)
(9, 17)
Stop

Directions for Teachers

For the 4 Quadrant graphs, there are 2 worksheets and 2 rubrics per page.

Rubrics can be printed on the back of the worksheet.

Use 1 cm grid paper.

Free grid paper is available at http://www.incompetech.com

Name:		Name:		
Date:	Pd:	Date:	Pd:	

Ghost Graph

Ghost Graph

Connect	Reflect	Connect	11	Connect	Reflect	Connect
(0,11)	\rightarrow		11	(0,11)	\rightarrow	
(3,10)	\rightarrow		11	(3,10)	\rightarrow	
(5, 8)	\rightarrow			(5, 8)	\rightarrow	
(6, 6)	\rightarrow			(6, 6)	\rightarrow \rightarrow	
(7, 3)	\rightarrow			(7, 3)	\rightarrow	
(8, 0)	\rightarrow			(8, 0)	\rightarrow	
(9, -4)	\rightarrow			(9, -4)	→ →	
(9, -4) (11, -11)	→ → → → → →			(9, -4) (11, -11)	\rightarrow \rightarrow	
(8, -9)	\rightarrow			(8, -9)	\rightarrow	
(4, -11)	$\begin{array}{c} \rightarrow \\ \rightarrow \end{array}$		11	(4, -11)	\rightarrow	
(0, -9)	\rightarrow		11	(0, -9)	\rightarrow	
Stop		Stop		Stop		Stop
Connect		Connect		Connect		Connect
(2, 5)	\rightarrow			(2, 5)	\rightarrow	
(3, 6)	\rightarrow		11	(3, 6)	\rightarrow	
(4, 5)	\rightarrow		11	(4, 5)	\rightarrow	
(3, 4)	\rightarrow		П	(3, 4)	\rightarrow	
Stop		Stop	11	Stop		Stop
Connect		Connect	11	Connect		Connect
(0, 0.5)	\rightarrow		11	(0, 0.5)	\rightarrow	
(2, 1) (1.5, -1)	→ →		11	(2, 1) (1.5, -1)	\rightarrow	
(1.5, -1)	\rightarrow			(1.5, -1)	\rightarrow	
(0, -2)	\rightarrow			(0, -2)	\rightarrow	
Stop		Stop		Stop		Stop

Name:		Name:	
Date:	Pd:	Date:	Pd:
	Graph		Graph

Connect	Reflect	Connect	11	Connect	Reflect	Connect
(0,11)	\rightarrow		11	(0,11)	\rightarrow	
(3,10)	\rightarrow		11	(3,10)	\rightarrow	
(5, 8)	$\begin{array}{c} \rightarrow \\ \rightarrow \end{array}$		11	(5, 8)	\rightarrow	
(6, 6)	\rightarrow			(6, 6)	\rightarrow	
(7, 3)	\rightarrow		11	(7, 3)	\rightarrow	
(8, 0)	\rightarrow			(8, 0)	$\begin{array}{c} \rightarrow \\ \rightarrow \end{array}$	
(9, -4)	\rightarrow			(9, -4)	\rightarrow	
(11, -11)	→ → → → →			(11, -11)	→ → →	
(8, -9)	\rightarrow			(8, -9)	\rightarrow	
(4, -11)				(4, -11)		
(0, -9)	\rightarrow			(0, -9)	\rightarrow	
Stop		Stop		Stop		Stop
Connect		Connect		Connect		Connect
(2, 5)	\rightarrow			(2, 5)	\rightarrow	
(3, 6)	$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$			(3, 6)	$\begin{array}{c} \rightarrow \\ \rightarrow \\ \rightarrow \end{array}$	
(4, 5)	\rightarrow			(4, 5)	\rightarrow	
(3, 4)	\rightarrow			(3, 4)	\rightarrow	
Stop		Stop		Stop		Stop
Connect		Connect	11	Connect		Connect
(0, 0.5)	\rightarrow		11	(0, 0.5)	\rightarrow	
(2, 1)	\rightarrow		11	(2, 1)	\rightarrow	
(1.5, -1)	$\begin{array}{c} \rightarrow \\ \rightarrow \end{array}$		11	(1.5, -1)	\rightarrow	
(0, -2)	\rightarrow			(0, -2)	\rightarrow	
Stop		Stop		Stop		Stop

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Graph Directions and Rubric	Graph Directions and Rubric
(10 Points) Number the horizontal axis from -11 to 11.	(10 Points) Number the horizontal axis from -11 to 11.
(10 Points) Number the vertical axis from -11 to 11.	(10 Points) Number the vertical axis from -11 to 11.
(20 Points) Plot and connect the given points.	(20 Points) Plot and connect the given points.
(40 Points) Write the reflection of each point.	(40 Points) Write the reflection of each point.
(20 Points) Plot and connect the points to make the reflection.	(20 Points) Plot and connect the points to make the reflection.
Total	Total

Ghost Graph Answer Key

Connect	Reflect	Connect
(0,11)	\rightarrow	(0,11)
(3,10)	\rightarrow	(0,11)
(5, 8)	\rightarrow	(- 5, 8)
(6, 6)	\rightarrow	(- 5, 8) (- 6, 6)
(7, 3)	\rightarrow	(-7, 3)
(8, 0)	\rightarrow	(-8,0)
(9, -4)	\rightarrow	(- 9, -4)
(0,11) (3,10) (5, 8) (6, 6) (7, 3) (8, 0) (9, -4) (11, -11)	 → → → → → → → 	(-7, 3) (-8, 0) (-9, -4) (-11, -11)
(8, -9)	\rightarrow	(-8, -9)
(8, -9) (4, -11) (0, -9) Stop Connect (2, 5) (3, 6) (4, 5) (3, 4) Stop	\rightarrow	(- 8, -9) (- 4, -11)
(0, -9)	\rightarrow	(09)
Stop		Stop
Connect		Connect
(2, 5)	\rightarrow	(- 2, 5)
(3, 6)	\rightarrow	(-3, 6)
(4, 5)	→→→	Connect (- 2, 5) (- 3, 6) (- 4, 5) (- 3, 4)
(3, 4)	\rightarrow	(-3, 4)
Stop		Stop
Connect		Connect
(0, 0.5)	\rightarrow	(0, 0.5)
(2, 1)	→ → → →	(0, 0.5) (- 2, 1) (- 1.5, -1)
(1.5, -1)	\rightarrow	(- 1.5, -1)
(0, 0.5) (2, 1) (1.5, -1) (0, -2)	\rightarrow	(0, -2)
Stop		Stop