

8. Combine like terms. Sketch algebra tiles if it helps.

$$9x^{2} - 7x + 2x - 6x^{2} = 7x^{2} - 5x$$
a. $-2x^{2}$ (b. $3x^{2} - 5x$ c. $2x^{2} - 4x$ d. $3x^{2} + 5x$

$$9. Subtract: $(3x - 7x^{2} + 2) - (4x^{2} - 5 + 6x)$

$$a. $-11x^{2} + 3x - 7$

$$b. $-11x^{2} - 9x - 3$

$$c. -11x^{2} - 3x + 7$$

$$d. $11x^{2} + 3x - 7$

$$e. -11x^{2} - 3x + 7$$

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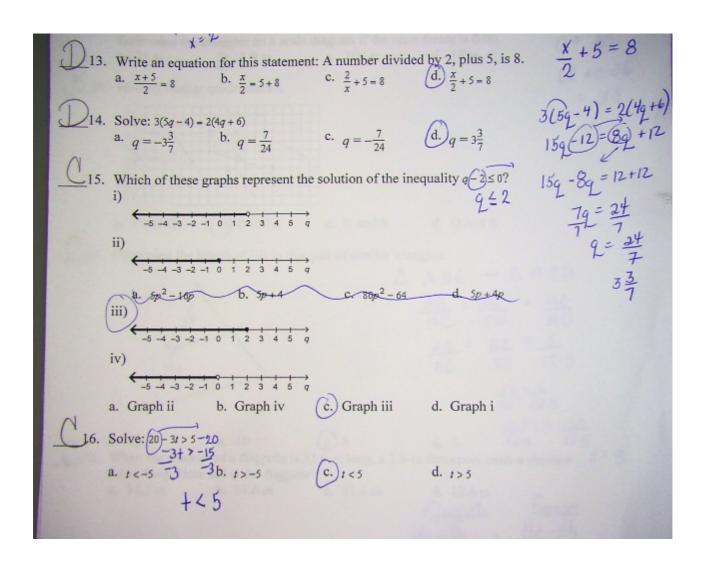
$$e. -12x^{2} - 14x^{2} + 5 - 6x$$

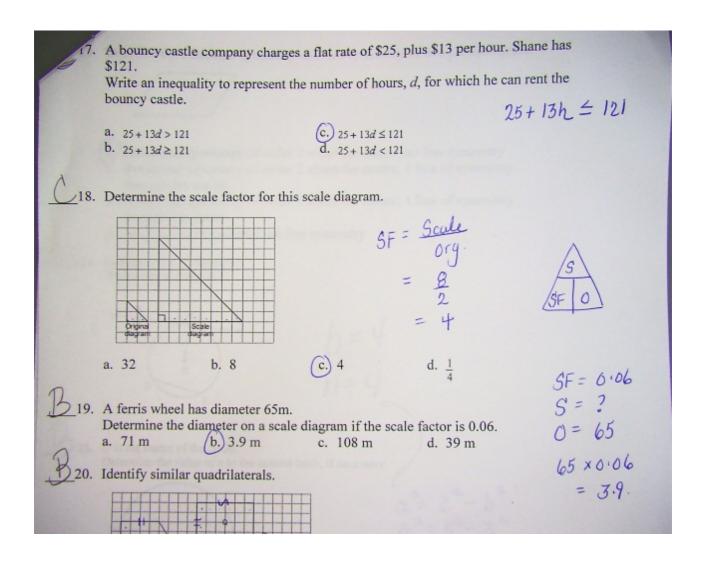
$$e. -8x^{2} + 12x + 14$$

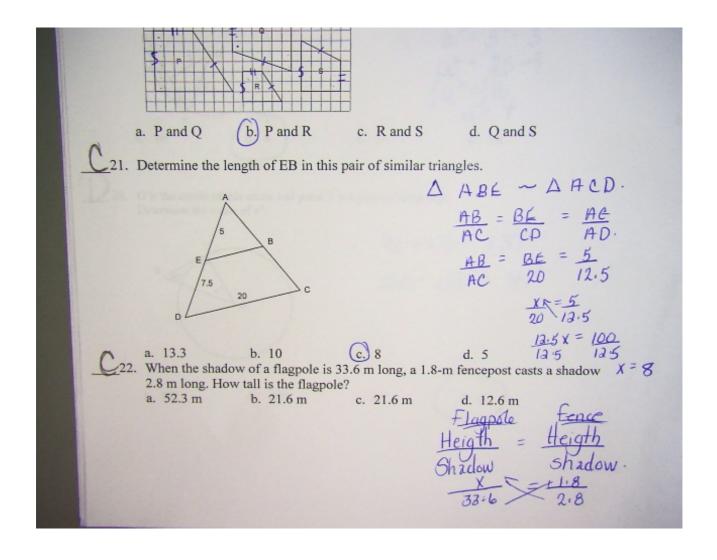
$$f. -8x^{2} - 6x - 7$$

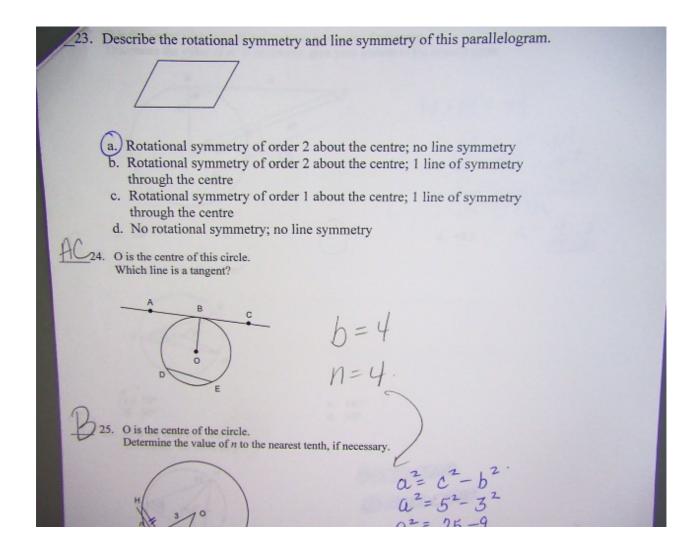
$$f. -12x^{2} + 2x + 7$$

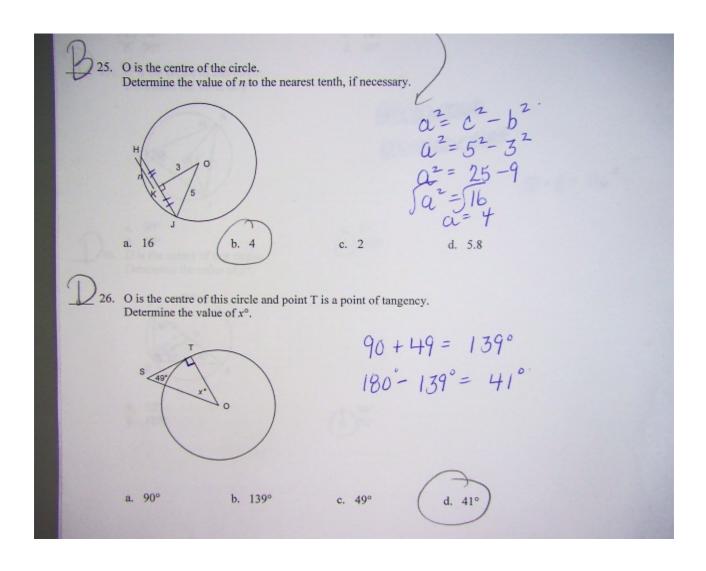
$$f. -12x^{2} +$$$$$$$$$$$$$$$$$$$$$$$$$$

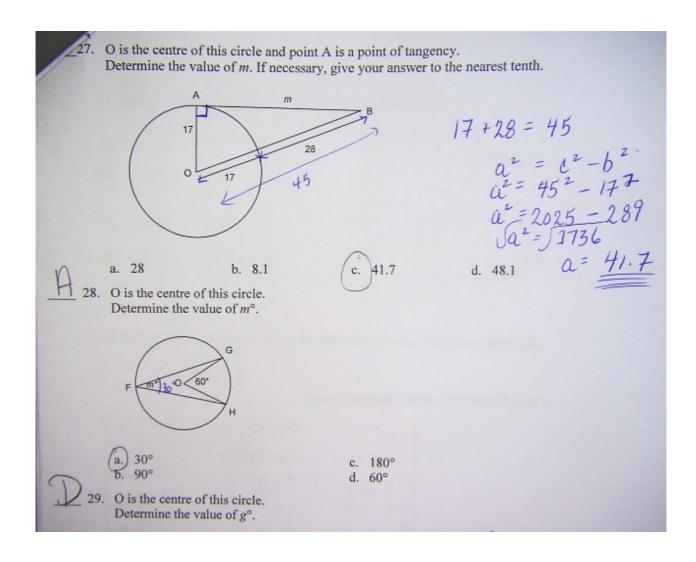


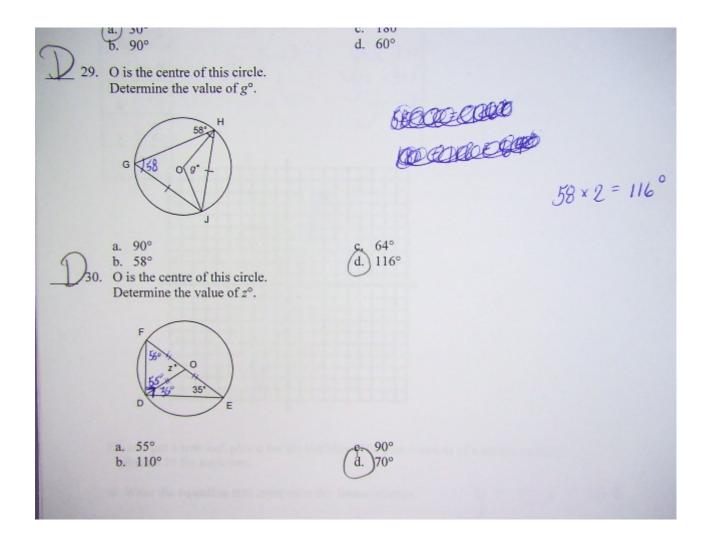








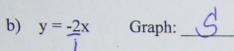




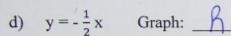
31. Match each equation with a graph on the grid to the right.

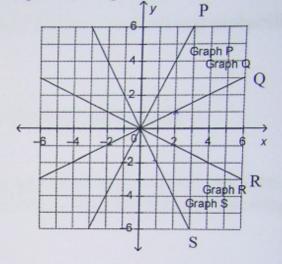


a) $y = \frac{1}{2}x$ Graph:



c)
$$y = +2x$$
 Graph:





32. Complete the table of values for the following equation, then draw the graph.

$$y = 3x - 1$$

Show your work for the first two values of x.

x	у
-2	-7

$$x = -2$$

$$x = -2$$
 $x = -1$

$$y = 3x - 1$$
 $y = 3x - 1$

$$y = 3x - 1$$

