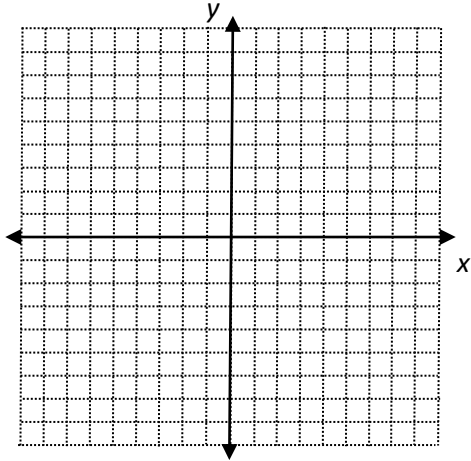


Name: _____

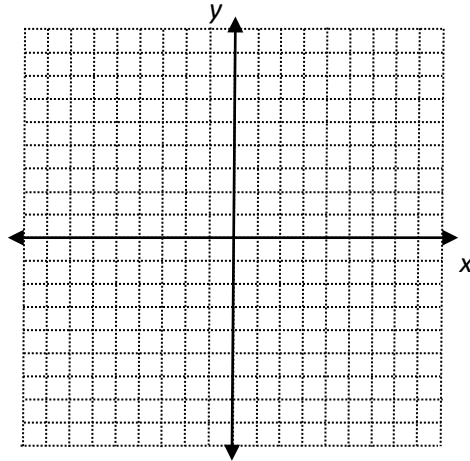
Unit 6 (chapter 9) mini review

For 1-3, solve by graphing:

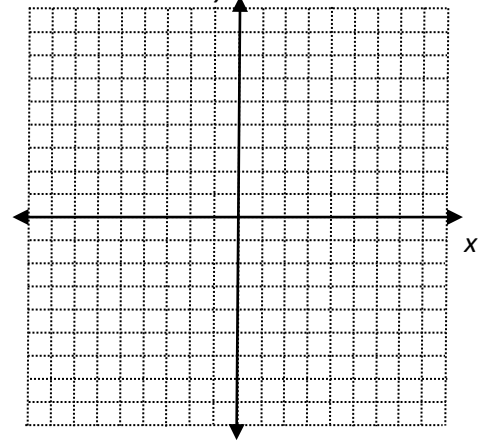
1) $y = -2x^2 + 8x - 5$



2) $y = (x + 3)^2 + 1$



3) $y = -\frac{1}{3}(x+1)(x-5)$



Solution(s): _____

Solution(s): _____

Solution(s): _____

For problems 4-6, use the graphs that correspond above. Determine the transformations.

4) see #1 above

R:

T:

D:

Domain:

Range:

5) see #2 above

R:

T:

D:

Domain:

Range:

6) see #3 above

R:

T:

D:

Domain:

Range:

For 7 – 9, factor the expression:

7) $x^2 - x - 20$

8) $9x^2 + 6x + 1$

9) $3u^2 - 108$