

1) Describe the shift of $y = x^2$ to $y = (x + 4)^2 - 7$.

2) Describe the shift of $y = |x|$ to $y = |x-3| + 5$.

3) Describe the shift of $f(x) = x^2$ to $f(x) = (x - 1)^2 + 2$.

4) Describe the shift of $f(x) = |x|$ to $f(x) = |x+ 6| - 9$.

5) Describe the shift of $f(x) = x^2$ to $f(x) = (x -10)^2 - 8$.

6) Describe the shift of $f(x) = |x|$ to $f(x) = |x-6| - 3$.

7) Write an equation that would shift $y = |x|$ left 4 units and down 5 units.

8) Write an equation that would shift $f(x) = x^2$ right 8 units and down 2 units.

9) Write an equation that would shift $f(x) = |x|$ right 7 units and up 3 units.

10) Write an equation that would $y = x^2$ left 9 units and up 6 units.

11) Write an equation that would shift $y = |x|$ right 11 units.

12) Write an equation that would shift $f(x) = x^2$ up 8 units.

13) Write an equation that would shift $f(x) = |x|$ down 7 units.

14) Write an equation that would $y = x^2$ left 5 units.