

Simplify these square roots.

1.  $\sqrt{150}$

2.  $\sqrt{147}$

3.  $\sqrt{176}$

4.  $\sqrt{324}$

Find the y-intercept for each of these equations.

5.  $y = -125x^2 + 37.5x - 11.41$

6.  $y = 5\sqrt{x+4} - 78$

7.  $y = \frac{9x+2}{3x^2-8x-34}$

8.  $y = -3x^2(x+6)^2(x-1)^3(4x+3)(x-5)^2$