

SM3 3.5 odd answers

1. $x = -5, 2$

3. $x = \pm 6$

5. $x = -\frac{4}{3}, 3$

7. $x = \frac{2}{5}, -1$

9. $x = 5, 3$

11a. time in seconds the rocket is in the air

11b. height of the rocket in feet at any given time

11c. initial or starting velocity

11d. initial or starting height

11e. 0 ft.

11f. 12 feet per second

11g. substitute for h_0

11h. substitute for v_0

11i. $h(t) = -16t^2 + 120t$

11j. 0 ft.

11k. $0 = -16t^2 + 120t$

11l. $t = 7.5$ seconds

11m. The rocket lands on the ground after being in the air for 7.5 seconds.

13a. number of jerseys

13b. $x^2 + 33x + 25 = 455$

13c. factor

13d. $x = -43, 10$ can't use -43 because you can't buy a negative number of jerseys

13e. The seniors bought 10 jerseys for \$455.