

### SM3H 4.2 odd answers

1.  $x = 11, -5$

3.  $x = -2, 1, x \geq -3$

5.  $x = 4 \pm 5\sqrt{5}$

7.  $x = 9, -7$

9.  $x = \frac{y+6}{5}$  or  $x = \frac{y}{5} + \frac{6}{5}$

11.  $y = x + 2$

13.  $z = \frac{6y}{x}$

15.  $c = \frac{k^2-b^2}{-4a}$  or  $c = \frac{b^2-k^2}{4a}$

17.  $x = \frac{-y-4}{y-1}$  or  $x = \frac{y+4}{-y+1}$

19.  $x = \pm\sqrt{3}$

21.  $x = 3, -7$

23.  $x = -125, -64$

25.  $x = 16, x \geq 0$

27. 1.25 seconds to hit the ball is in the air

29.  $x = \pm 2$

31.  $x = -3, 8, x \neq 0$