

3.3 Practice A

- $x = 5$ and $x = -1$
- $y = 13$ and $y = -1$
- $n = 10 + 2\sqrt{10}$ and $n = 10 - 2\sqrt{10}$
- $p = -7 + \sqrt{2}$ and $p = -7 - \sqrt{2}$
- $c = 16; (x + 4)^2$
- $c = 49; (x + 7)^2$
- $c = 81; (y - 9)^2$
- $c = 169; (y + 13)^2$
- $x = -4 + \sqrt{11}$ and $x = 4 - \sqrt{11}$
- $h = 5 + \sqrt{29}$ and $h = 5 - \sqrt{29}$
- $t = 6 + \sqrt{26}$ and $t = 6 - \sqrt{26}$
- $s = -7 + \sqrt{58}$ and $s = -7 - \sqrt{58}$
- $y = -3 + \sqrt{11}$ and $y = -3 - \sqrt{11}$
- $g = -5 + \sqrt{19}$ and $g = -5 - \sqrt{19}$
- square roots; Both sides are perfect squares; $x = 8$
and $x = -2$
- factoring; factorable; $x = -4$ and $x = -1$
- Sample answer:* factoring and square roots;
factorable, both sides are perfect squares; $x = 3$
- completing the square; even middle term;
 $x = 5 + \sqrt{33}$ and $x = 5 - \sqrt{33}$
- 4
- $-2 + 2\sqrt{6}$