7th Grade Accelerated Math p. 393 Lesson 6-5: 3-35 odds, 42, 43, 51-59 Answer key

3) $x = \pm 5$ 5) $v = \pm 0.7$ 7) $r = \pm\frac{1}{2}$ 9) $m = 4, -10$

11) $p = -1, -3\frac{2}{3}$ 13) $d = 2, -9$ 15) $t = 4, 9$ 17) $c = 8\frac{1}{2}, -3\frac{1}{2}$

19) $k = -\frac{1}{2}, -2\frac{1}{2}$ 21) The absolute value symbol was removed without writing the second equation; $x + 4 = -13$; $x = 9$ *or* $x = -17$.

23) no solution 25) $m = -4.5, -5.5$ 27) $v = -3, 6$

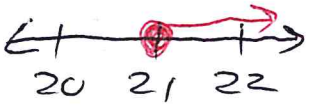
29) $r = 13\frac{1}{2}, 14\frac{1}{2}$ 31) $p = \frac{1}{4}, -1\frac{1}{4}$ 33) $x = 13, -3$ 35) $x = -7.5, -10.7$

42) minimum = 39 inches; maximum = 45 inches

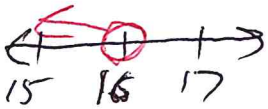
43) least time = 235 seconds; greatest time = 245 seconds

51) $y = \frac{2}{3}x - 1$ 52) $y = -\frac{1}{2}x + 2$ 53) $y = -\frac{2}{3}x - \frac{5}{3}$

54) $r \geq 21$

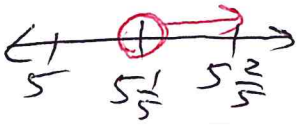


55) $s < 16$

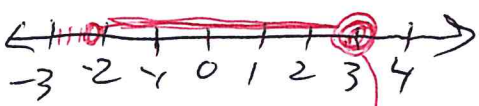


56) $t \geq -1\frac{1}{3}$

57) $v > 5\frac{1}{5}$



58) $-2\frac{1}{5} < w < 3$



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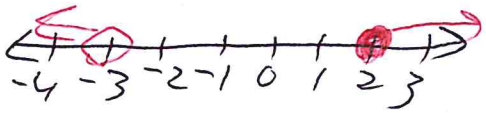
59) $x < -3$ *or* $x \geq 2$