

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Solving Simple Linear Equations – A Review Algebra 1 Homework

#### Skills

1. Which of the following values of  $x$  is a solution to the equation  $2x + 7 = 1$ ?

- (1)  $x = 3$                       (3)  $x = -3$
- (2)  $x = 4$                       (4)  $x = -4$

2. Which of the following values of  $x$  satisfies  $\frac{4}{5}x - 2 = 10$ ?

- (1)  $x = 15$                       (3)  $x = 10$
- (2)  $x = -7$                       (4)  $x = -2$

3. Solve each of the following two-step linear equations for the value of  $x$ . Make sure to list the properties that you used to solve these equations. For (a) - (h), please check (i)

(a) $3x + 5 = 35$	(b) $4x - 1 = 15$	(c) $55 = 6x + 7$	(d) $\frac{3}{8}x - 3 = 9$
(e) $7 = \frac{3}{4}x + 19$	(f) $\frac{x}{3} - 4 = 5$	(g) $3 = \frac{10}{3}x - 12$	(h) $14 = 12x + 8$
(i) $0.12x + 1.56 = 0.66$	(j) $-2.35x + 6.75 = -2.18$	(k) $\frac{x}{2} + 4.82 = 2.57$	(l) $0.2x + 1.6 = 1$