

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

Score: \_\_\_\_\_

### Existence of the Solution

DS1

Identify the correct choice:

1) $-2 x - 4  + 1 = 15$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	2) $5 - \left  \frac{x}{2} + 3 \right  = -4$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	3) $4 + \frac{ 2x-6 }{-3} = 9$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>
4) $ x + 1  - \frac{3}{2} = 13$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	5) $8 + 3\left  \frac{x}{5} - 4 \right  = 27$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	6) $\left  \frac{2x}{7} + 4 \right  - 5 = -8$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>
7) $-9\left  \frac{x+7}{3} \right  - 4 = 2$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	<div style="border: 2px solid blue; padding: 10px; background-color: #e0f0ff;"> <h1 style="margin: 0; color: blue;">PREVIEW</h1> <p style="margin: 5px 0; color: blue;">Gain complete access to the largest collection of worksheets in all subjects!</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="background-color: #007bff; color: white; padding: 10px; transform: rotate(-2deg); text-align: center;"> <p>Members, please log in to download this worksheet.</p> </div> <div style="background-color: #007bff; color: white; padding: 10px; transform: rotate(2deg); text-align: center;"> <p>Not a member? Please sign up to gain complete access.</p> </div> </div> <p style="margin: 0; color: blue;"><a href="http://www.mathworksheets4kids.com">www.mathworksheets4kids.com</a></p> </div>	
10) $1 + 7\left  -\frac{x}{2} \right  = 1$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	11) $\left  \frac{x}{7} + 4 \right  = -\frac{7}{2}$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	12) $\frac{ 2 x  }{3} = -\frac{5}{3}$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>
13) $8 - \frac{ 5x }{8} = 8$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	14) $\frac{ x }{6} + 4\left  -1 \right  = 9$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	15) $3 4x - 6  = 5$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>
16) $6 - \left  -\frac{2x+1}{12} \right  = 12$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	17) $\left  \frac{x}{2} - 4 \right  + 8 = \frac{4}{3}$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>	18) $3 4x - 6  = 5$ a) Solution Exists b) No Solution Correct choice: <input type="checkbox"/>

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

Answer key

Score: \_\_\_\_\_

## Existence of the Solution

DS1

1) $-2 x - 4  + 1 = 15$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>	2) $5 - \left \frac{x}{2} + 3\right  = -4$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	3) $4 + \frac{ 2x-6 }{-3} = 9$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>
4) $ x + 1  - \frac{3}{2} = 13$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>	5) $8 + 3\left \frac{x}{2} - 4\right  = 27$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	6) $\left \frac{2x}{6} + 4\right  - 5 = -8$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>
7) $-9\left \frac{x+7}{3}\right  - 4 = 2$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	8) $2 x - 3  + 5 = 1$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	9) $\left \frac{x}{7}\right  + 4 = -\frac{7}{2}$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>
10) $1 + 7\left -\frac{x}{2}\right  = 14$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	11) $3 x - 2  + 1 = 10$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	12) $\frac{2 x }{3} = -\frac{5}{3}$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>
13) $8 - \frac{ 5x }{8} = 8$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	14) $4 x - 1  + 2 = 10$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>	15) $\left \frac{x}{6} + 4\right  - 1 = 9$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>
16) $6 - \left -\frac{2x+1}{12}\right  = 12$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>	17) $\left \frac{x}{2} - 4\right  + 8 = \frac{4}{3}$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>b</i>	18) $3 4x - 6  = 5$ a) Solution Exists b) No Solution Correct choice: <input type="radio"/> <i>a</i>

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