Basic Solving Practice #1

1. $x - 2 = 3$
2. $15x = -4$
3. $x + 3 = 1$
4. $x + 6 = -3$
5. $6x = 3$
6. $x + 11 = 8$
7. $9x = 12$
8. $x - 7 = -1$
9. $\frac{x}{10} = 10$
10. $x + 7 = -2$

11. $2x + 6 = 5$
12. $3x - 10 = 7$
13. $5x - 8 = 11$
14. $9x + 5 = 10$
15. $11 = 8x - 5$
16. $11x - 6 = -17$
17. $4x - 2 = -11$
18. $5 - 9x = 9$
19. $3x + 10 = 2$
20. $6 = 8x - 3$

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Answers: Basic Solving Practice #1

1.	$x - 2 = 3$	$x - 2 + 2 = 3 + 2$	$x = 5$
2.	$15x = -4$	$15x \div 15 = -4 \div 15$	$x = -0.267$ or $\frac{-4}{15}$
3.	$x + 3 = 1$	$x + 3 - 3 = -1 - 3$	$x = -2$
4.	$x + 6 = -3$	$x + 6 - 6 = -3 - 6$	$x = -9$
5.	$6x = 3$	$6x \div 6 = 3 \div 6$	$x = 0.5$ or $\frac{1}{2}$
6.	$x + 11 = 8$	$x + 11 - 11 = 8 - 11$	$x = -3$
7.	$9x = 12$	$9x \div 9 = 12 \div 9$	$x = 1.333$ or $\frac{4}{3}$
8.	$x - 7 = -1$	$x - 7 + 7 = -1 + 7$	$x = 6$
9.	$\frac{x}{10} = 10$	$\frac{x}{10} \times 10 = 10 \times 10$	$x = 100$
10.	$x + 7 = -2$	$x + 7 - 7 = -2 - 7$	$x = -9$

11.	$2x + 6 = 5$	$2x ~~+ 6 - 6~~ = 5 - 6$	$2x = -1$	$x = -0.5$	$= -1/2$
12.	$3x - 10 = 7$	$3x ~~- 10 + 10~~ = 7 + 10$	$3x = 17$	$x = 5.667$	$= 17/3$
13.	$5x - 8 = 11$	$5x ~~- 8 + 8~~ = 11 + 8$	$5x = 19$	$x = 3.8$	$= 19/5$
14.	$9x + 5 = 10$	$9x ~~+ 5 - 5~~ = 10 - 5$	$9x = 5$	$x = 0.556$	$= 5/9$
15.	$11 = 8x - 5$	$11 + 5 = 8x ~~- 5 + 5~~$	$16 = 8x$	$x = 2$	
16.	$11x - 6 = -17$	$11x ~~- 6 + 6~~ = -17 + 6$	$11x = -11$	$x = -1$	
17.	$4x - 2 = -11$	$4x ~~- 2 + 2~~ = -11 + 2$	$4x = -9$	$x = -2.25$	$= -9/4$
18.	$5 - 9x = 9$	$~~5 - 5~~ - 9x = 9 - 5$	$-9x = 4$	$x = -0.444$	$= -4/9$
19.	$3x + 10 = 2$	$3x ~~+ 10 - 10~~ = 2 - 10$	$3x = -8$	$x = -2.667$	$= -8/3$
20.	$6 = 8x - 3$	$6 + 3 = 8x ~~- 3 + 3~~$	$9 = 8x$	$x = 1.125$	$= 9/8$

It is preferable to leave answers in improper fraction form, provided it is simplified and any negative sign is on the numerator . Decimal form is not better, although still acceptable.

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