1   Solve $3x = 6$

Circle your answer.

[1 mark]

$x = 0.5$ $x = 2$ $x = 3$ $x = 18$

2   Solve $8x + 7 = 2x + 10$

[3 marks]

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_____

$x =$ _____

3 (a)   Solve $x + 17 = 12$

[1 mark]

$x =$ _____

3 (b)   Solve $\dfrac{w}{4} = 12$

[1 mark]

$w =$ _____

3 (c)   Simplify fully $\dfrac{9m}{12m}$

[2 marks]

Answer _____

4　　　Here is an identity.

$$a(3x - 10) \equiv 21x + 2b$$

Work out the values of a and b.

[3 marks]

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$a =$ _____ $b =$ _____

5   Solve $10x - 3 = 21$

[2 marks]

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$x =$ _____

6   Solve $4 + x = 12$

Circle your answer.

[1 mark]

$x = -16$ $x = -8$ $x = 8$ $x = 16$

7   Solve $\dfrac{2w}{15} = \dfrac{4}{5}$

[2 marks]

$w =$ _____

8 (a)   Circle the point that is on the line $4x + y = 7$

[1 mark]

(2, 1)   (2, −1)   (1, 2)   (−1, 2)

8 (a)   Circle the point that is on the line $4x + y = 7$

[1 mark]

9   Solve $5(2x - 1) = 6x + 9$

[3 marks]

$x =$ _____

10 (a)   Solve $5x = 15$

[1 mark]

_____

_____

$x =$ _____

10 (b)   Solve $y + 7 = 50$

[1 mark]

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$y =$ _____

10 (c)   Solve $\dfrac{c}{4} = 8$

[1 mark]

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_____

$c =$ _____

11 (a)   Solve $11x - 3 = 6x + 1$

[3 marks]

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$x =$ _____

11 (b)   Solve $\dfrac{2x}{5} = 14$

[2 marks]

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$x =$ _____

12 (a)   Solve $12 - e = 0$

[1 mark]

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$e =$ _____

12 (b)   Solve $7f = 0$

[1 mark]

_____

$f =$ _____

13   Solve $7x - 22 = 4x + 29$

[3 marks]

$x =$ _____