

Name: _____

ME43 Classwork 3

1. If $t = -2$, then what is the value of $t^2 + 2t$?	6. If $x = -1$, then what is the value of $-x^2 + x$?
2. Simplify: $(7)(-2)$	7. Solve: $\frac{2}{3} = \frac{4}{w}$
3. Find the value of the expression $\frac{1}{2}x$ if $x = -2$.	8. Simplify: $\frac{5}{3} - \frac{1}{10}$
4. If $x = 1$ and $y = -2$, then $3xy = ?$	9. Evaluate jk^2 if $j = -2$ and $k = 1$.
5. Simplify: $\frac{4}{9} + \frac{5}{6}$	10. Simplify: $\frac{10}{-2}$

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<p>11. If $d = 3$, find the numerical value of $(2d)^2$.</p>	<p>16. Simplify: $-9 + (-10)$</p>
<p>12. Simplify: $-7 - (-6)$</p>	<p>17. Evaluate $(y + z)^2$ when $y = -5$ and $z = -1$.</p>
<p>13. Simplify: $(-3)(-2)$</p>	<p>18. Simplify: $-10 - 3$</p>
<p>14. Find the value of $2(x + 5)$ if $x = -3$.</p>	<p>19. Simplify: $5 \cdot \frac{y}{2}$</p>
<p>15. Simplify: $\frac{1}{7} \div \frac{1}{9}$</p>	<p>20. Find the value of $\frac{3x}{3y - 4}$ when $x = 2$ and $y = 2$.</p>

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