

1. Factor completely: $2y^3 - 50y$	6. Factor completely: $8x^4 - 8$
2. Factor completely: $5x^2 - 5$	7. Factor: $10p^2q - 5pq$
3. Factor completely: $2x^2 - 10x - 6$	8. Factor: $c^2 - 12c + 11$
4. Factor completely: $4m^2 - 4n^2$	9. Factor: $7a^3b + 14a^2b^2$
5. Factor completely: $3y^2 + 21y + 36$	10. Factor: $25x^2y^6 - z^{50}$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

<p>11. Factor: <math>9x^4 - 1</math></p>	<p>Simplify and express the answer using 14. only positive exponents: <math>\frac{10w^4}{15w^2}</math></p>
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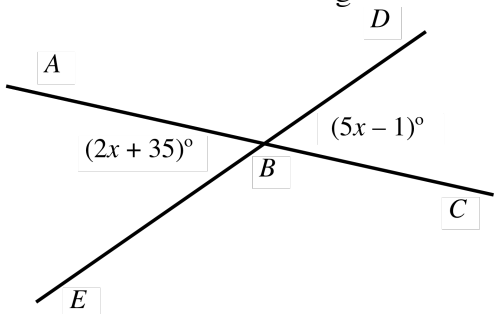
11. \_\_\_\_\_  
12. \_\_\_\_\_

<p>12. Simplify: <math>\frac{-10zx^2y}{5x^4y^2z}</math></p>	<p>15. Multiply: <math>(2k - 4)(7k + 1)</math></p>
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13. \_\_\_\_\_  
14. \_\_\_\_\_

<p>13. A 40% discount on a sweater resulted in a saving of \$14.40. Find the original price.</p>	<p>If <math>a</math> is a positive integer and <math>b</math> is a negative integer, which expression 16. <i>must</i> be positive? (1) <math>a - b</math>                      (3) <math>a \times b</math> (2) <math>a + b</math>                      (4) <math>a \div b</math></p>
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15. \_\_\_\_\_  
16. \_\_\_\_\_

<p>17. Find the number of degrees in <math>\angle ABD</math>.</p> 
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17. \_\_\_\_\_

<p>18. Dr. Cortez spent 30 minutes driving from home to Seaview Hospital. This was 12 minutes less than twice the time it took him to drive home. How long did it take him to drive home?</p>
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18. \_\_\_\_\_