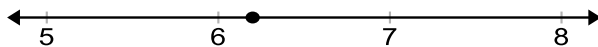


FMP 10 LG 6A (Formative Assessment)

Marking Teacher: _____

Name: _____

1. Find the greatest common factor (GCF) of 36, 42 & 60.
2. Find the least common multiple (LCM) of 12, 18 & 30.
3. Is 4096 a perfect square, a perfect cube, or neither. (Show your factorization)
4. Find the prime factorization of 28.
5. Which value most closely approximates the point shown on the number line?



- A. $\sqrt{6}$ B. $\sqrt{13}$ C. $\sqrt{39}$ D. $\sqrt{48}$

6. Which chain of inequalities below correctly orders the numbers from least to greatest?

A. $-2^3 < -\sqrt{66} < -3 < \frac{1}{3} < \frac{\sqrt{9}}{3}$

B. $-2^3 < -\sqrt{66} < -3 < \frac{\sqrt{9}}{3} < \frac{1}{3}$

C. $-\sqrt{66} < -2^3 < -3 < \frac{1}{3} < \frac{\sqrt{9}}{3}$

D. $-\sqrt{66} < -2^3 < -3 < \frac{\sqrt{9}}{3} < \frac{1}{3}$

7. Expand: $2d(d^5 - 7d^3 + 4)$

8. Expand and simplify: $(5x + 1)(3x - 2)$

9. Expand and simplify: $(4 - x)(6 - x)$

10. Expand and simplify: $(x + 4)(6x^2 + 2x - 8)$

Directions:



**See me about
this**



**Move on to next
guide**



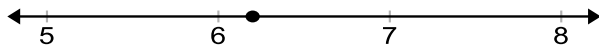
Review and redo

FMP 10 LG 6B (Formative Assessment)

Marking Teacher: _____

Name: _____

1. Find the greatest common factor (GCF) of 32, 48 & 80.
2. Find the least common multiple (LCM) of 12, 16 & 28.
3. Is 2744 a perfect square, a perfect cube, or neither. (Show your factorization)
4. Find the prime factorization of 32.
5. Which value most closely approximates the point shown on the number line?



- A. $3\sqrt{6}$ B. $2\sqrt{13}$ C. $\sqrt[4]{1296}$ D. $\sqrt[3]{240}$

6. Which chain of inequalities below correctly orders the numbers from greatest to least?

A. $-2^3 < -\sqrt{66} < -3 < \frac{1}{3} < \frac{\sqrt{9}}{3}$

B. $-2^3 < -\sqrt{66} < -3 < \frac{\sqrt{9}}{3} < \frac{1}{3}$

C. $-\sqrt{66} < -2^3 < -3 < \frac{1}{3} < \frac{\sqrt{9}}{3}$

D. $-\sqrt{66} < -2^3 < -3 < \frac{\sqrt{9}}{3} < \frac{1}{3}$

7. Expand: $4c(2c^5 - 7c^3 + 1)$

8. Expand and simplify: $(-2x + 1)(x - 2)$

9. Expand and simplify: $(3 - x)(6 + x)$

10. Expand and simplify: $(x - 3)(-x^2 + 2x + 1)$

Directions: See me about this Move on to next guide Review and redo