**PRACTICE Midterm – Chapiter 3**

\_\_\_\_ 1. What is the GCD of 56 and 88.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 77 | b. | 616 | c. | 7 | d. | 8 |

\_\_\_\_ 2. What is the LCM of 10 and 22.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a. | 2 | b. | 55 | c. | 220 | d. | 110 |

\_\_\_\_ 3. Factor .

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 4. Factor .

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 5. Which of the following can be factored ?

|  |  |  |  |
| --- | --- | --- | --- |
| a. |  | c. |  |
| b. |  | d. |  |

\_\_\_\_ 6. Which number is missing in  so that you could factor it as a perfect square ? 

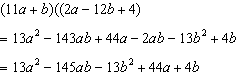
|  |  |  |  |
| --- | --- | --- | --- |
| a. | 144 | c. | 72 |
| b. | 648 | d. | 18 |

/6

7. You want to tile a rectangular wall with dimensions 26cm by39cm using square tiles. What is the max dimension of tiles that you can use ?   
  
  
  
  
8. You have rectangular tiles with dimenseions 8cm by 12cm. You want to position them so that it creates a sqaure. What is the smallest square that you can make ? How many tiles will be needed ?

9. Expand and simplify.  /2

10. Find the mistake and correct it.

 /3

11. Factor:

a .  b.  c. /18  
  
  
  
  
  
d. e. f.   
  
  
  
  
  
  
g) h) i)

12. Expand and Simplify:

 /9

Practice way more than that !! Expand expand expand !!! Factor factor factor !!!

Ask me for more if you need more practice !