

## #Jenny



Finally I get this ebook, thanks for all these I can get now!

## #Rio



Cool! I'am really happy

## #Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

## #Hun Tsu



wtf this great ebook for free?!

## #Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!



## #Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Test 5 Name: \_\_\_\_\_

**SHOW YOUR WORK**

- Draw the necessary reference triangles and evaluate. Do not use a calculator.
  - $\frac{\sqrt{2}}{2} \sin 30^\circ$
  - $2\sqrt{3} \cos 60^\circ$
  - $\frac{\sqrt{2}}{2} \sin 45^\circ$
- How many liters of a 70% glycol solution must be added to 72 liters of a 34% glycol solution to get a 63% glycol solution?
- Given:  $\overline{AE} \perp \overline{PQ}$   
Write a two-column proof to prove:  $\triangle AEN \cong \triangle ENQ$
- Solve:  $\begin{cases} x^2 + y^2 = 18 \\ 2x + y = 4 \end{cases}$       5. Divide  $x^3 - 5x^2 + 9$  by  $x - 6$ .
- Factor:  $72x^2y^2 - 9y^3$       7. Factor:  $10x^{m+3} - 25x^{m+1}$       8. Simplify:  $\frac{3x^2 - 2x^3 + x^4}{2 + 2x + x^2 - 36}$
- Whales varied directly as yellow cod and inversely as people. When there were 250 whales, there were 3 yellows and 8 people. How many whales were there when there were 7 yellows and 4 people?
- Simplify:
  - $\frac{m}{m^2 + 4}$
  - $\frac{4x + 2y}{\frac{2x}{y} + \frac{y}{x}}$
  - $(4x^2y)^2 \left(\frac{4xy}{xy^2}\right)^3$
- The sum of the digits of a two-digit counting number is 8. When the digits are reversed, the number is 18 greater than the original number. What was the original number?
- A kite is flying at the end of a string that has a length of 200 feet. The string makes an angle of  $60^\circ$  with the ground. How high above the ground is the kite?
- In the figure shown, square  $EFGH$  is inscribed in circle  $M$ . Also,  $\overline{ED} \perp \overline{CF}$  and  $\overline{ED} \perp \overline{CF}$ . Find the area of the shaded region.
- Given:  $\overline{AE} \perp \overline{DC}$   
 $\overline{BE} \perp \overline{DC}$   
Write a two-column proof to prove:  $\triangle AEB \cong \triangle DEC$
- Simplify by factoring the numerator:  $\frac{x^{2m} - y^{2m}}{x^m - y^m}$
- Find the equation of the line which passes through  $(-2, 6)$  and is parallel to the line  $x + 2y = 3$ .
- Find  $x$ .
19.  20. 

Copyright © Saxon Publishers, Inc. Reproduction for study prohibited. A First of Mathematics, Second Edition

[Download PDF version of :](#)  
**Saxon Advanced Math Answers**