

## Assessment: Module 2 Objective 1

*Students will evaluate expressions, when values are given for all variables with 90% accuracy.*

Students will be given a five question check quiz. Various quizzes will be generated from the following question bank. Each question is two points. 1 for the final answer and 1 for the work in solving. They will either type their reasoning or upload a file of their handwritten work.

**Evaluate**

1.  $\sqrt{a^2 + b^2}$  if  $a = 12$  and  $b = 9$   
 $\sqrt{a^2 + b^2}$  if  $a = 6$  and  $b = 8$   
 $\sqrt{a^2 + b^2}$  if  $a = 12$  and  $b = 5$   
 $\sqrt{a^2 + b^2}$  if  $a = 24$  and  $b = 7$   
 $\sqrt{a^2 + b^2}$  if  $a = 20$  and  $c = 15$
  
2.  $\frac{1}{2}bh$  if  $b = 30$  and  $h = 12$   
 $\frac{1}{2}bh$  if  $b = 15$  and  $h = 12$   
 $\frac{1}{2}bh$  if  $b = 18$  and  $h = 5$   
 $\frac{1}{2}bh$  if  $b = 10$  and  $h = 11$   
 $\frac{1}{2}bh$  if  $b = 20$  and  $h = 3$
  
3.  $2l + 2w$  if  $l = 8$  and  $w = 4$   
 $2l + 2w$  if  $l = 12$  and  $w = 4$   
 $2l + 2w$  if  $l = 18$  and  $w = 9$   
 $2l + 2w$  if  $l = 3$  and  $w = 7$   
 $2l + 2w$  if  $l = 8$  and  $w = 9$



4.  $\frac{abc}{2d}$  if  $a = 4$ ,  $b = 4$ ,  $c = -2$  and  $d = 6$

$\frac{abc}{2d}$  if  $a = 5$ ,  $b = 2$ ,  $c = -4$  and  $d = 10$

$\frac{abc}{2d}$  if  $a = 3$ ,  $b = -1$ ,  $c = -2$  and  $d = 2$

$\frac{abc}{2d}$  if  $a = 12$ ,  $b = -3$ ,  $c = -2$  and  $d = 8$

$\frac{abc}{2d}$  if  $a = -4$ ,  $b = 4$ ,  $c = -2$  and  $d = -1$

5.  $a - bc + d^2$  if  $a = -3$ ,  $b = 4$ ,  $c = -1$ , and  $d = 2$

$a - bc + d^2$  if  $a = 3$ ,  $b = -4$ ,  $c = -1$ , and  $d = -2$

$a - bc + d^2$  if  $a = 4$ ,  $b = 3$ ,  $c = -2$ , and  $d = 5$

$a - bc + d^2$  if  $a = 5$ ,  $b = 2$ ,  $c = -3$ , and  $d = 3$

$a - bc + d^2$  if  $a = -4$ ,  $b = -3$ ,  $c = 2$ , and  $d = 6$