Integrated 2 Post-Test Study Guide Answers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. B, C, G
 | 1. C
 | 1. B
 | 1. D
 | 1. B
 |
| 1. A
 | 1. D
 | 1. C
 | 1. A
 | 1. A
 |
| 1. A, D, F
 | 1. A
 | 1. B
 | 1. D
 | 1. B
 |
| 1. C
 | 1. C
 | 1. A
 | 1. B
 | 1. D
 |
| 1. D (fix: 4330.1)
 | 1. D
 | 1. D
 | 1. A, D, E, G
 | 1. C, E
 |
| 1. A, D, F, G
 | 1. A, C, E
 | 1. D
 | 1. B
 | 1. C
 |
| 1. B
 | 1. B
 | 1. B
 | 1. B
 | 1. C
 |
| 1. A
 | 1. B
 | 1. C
 | 1. D
 | 1. A
 |
| 1. D
 | 1. C
 | 1. A
 | 1. C
 | 1. A
 |
| 1. C
 | 1. B
 | 1. C (fix:

$25x^{2}-180x+324$) | 1. B
 | 1. D
 |
| 1. C
 | 1. B, D
 | 1. A, C
 | 1. A, B, C
 | 1. B
 |
| 1. D
 | 1. A
 | 1. D
 | 1. C
 | 1. A
 |
| 1. A
 | 1. NONE

(fix: $(-1, -4)$) | 1. B
 | 1. B, C, D, E, G
 | 1. C, D, E, G
 |
| 1. A, B, C, D, G
 | 1. C, F
 | 1. D
 | 1. C
 | 1. A
 |
| 1. A, B, E
 | 1. a. $\left(5\right)\left(6\right)=30$

b. $\frac{1}{3}$ c. $\frac{1}{30}$ | 1. a. $\left(3\right)\left(2\right)=6$

b. $\frac{1}{6}$ c. $\frac{2}{3}$ | 1. a. $\left(4\right)\left(2\right)=8$

b. $\frac{3}{8}$ c. $\frac{7}{8}$ | 1. $\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)=\frac{1}{64}$
 |
| 1. $\left(\frac{3}{4}\right)\left(\frac{3}{4}\right)=\frac{9}{16}$
 | $\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)\left(\frac{1}{4}\right)=\frac{1}{256}$  | 1. a. $h(t)=0$

b. $$0=-3\left(t-5\right)\left(t+4\right)$$$$t=5 or-4$$The rocket hits the ground at 5 seconds. | 1. a. $h(t)=0$

b. $$0=-4\left(t-3\right)\left(t+1\right)$$$$t=3 or-1$$The rocket hits the ground at 3 seconds. | 1. a. $h(t)=0$

b. $$0=-2\left(t-7\right)\left(t+5\right)$$$$t=7 or-5$$The rocket hits the ground at 7 seconds. |