

Review test #1 (short paper one)

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|------|------|------|-------|-------|
| 1. B | 4. B | 7. C | 10. B | 13. D |
| 2. A | 5. D | 8. A | 11. B | 14. A |
| 3. C | 6. B | 9. D | 12. C | 15. A |


Part B

1. $y = -3(x+3)^2 + 22$

2. ticket price \$4
Max revenue \$3200

3. $y = \frac{1}{3}(x-3)^2 - 7$

4. $w = 50\text{m}$
 $l = 100\text{m}$

5.  does not cross the x-axis

Review Test #2 (Long one)

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|------|-------|---------------------------------|
| 1. D | 9. C | 17. D |
| 2. A | 10. A | 18. B |
| 3. D | 11. C | <u>Part II</u> |
| 4. A | 12. D | 1. $y = \frac{1}{3}(x-6)^2 - 7$ |
| 5. C | 13. B | 2 a) 3m |
| 6. C | 14. B | b) 7.9m |
| 7. D | 15. C | 3. # 162.50 |
| 8. B | 16. B | 4. $w = 75m$
$l = 150m$ |