Integrated Math II Final Exam Study Guide (Semester 1)

Answers

**(Part 1) Multiple Choice**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. B
 | 1. A
 | 1. D
 | 1. B
 |
| 1. C
 | 1. A
 | 1. C
 | 1. B
 |
| 1. D
 | 1. C
 | 1. C
 | 1. A
 |
| 1. C
 | 1. D
 | 1. D
 | 1. B
 |
| 1. B
 | 1. A
 | 1. B
 | 1. B
 |
| 1. A
 | 1. C
 | 1. B
 | 1. C
 |

**(Part 2) Constructed Response**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. a. $(-\infty ,\infty )$

b. $[-8,\infty )$c. $(3,0)$ & $(7,0)$d. $(5,\infty )$e. $(-\infty ,5)$ |

|  |  |  |
| --- | --- | --- |
|  | $$-2x$$ | $$+11$$ |
| $$5x$$ | $$-10x^{2}$$ | $$55x$$ |
| $$+9$$ | $$-18x$$ | $$+99$$ |

$$-10x^{2}+37x+99$$ | 1. a. He forgot about the negative when he simplified $-4(1)(7)$. He wrote $\sqrt{64+28}$, when it should be $\sqrt{64-28}$.

b. $\left(-1,0\right) \& (-7,0)$The roots are $-1 \&-7$. | 1. a. $\left(-8, 0\right) \& (2, 0)$

b. $(0, 16)$c. $(-3, 25)$ |