# C:\Users\joycerhee\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\AK45DBQ2\Snowflake-3[1].pngInt 3 MA Sem 1 RFF #4 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Group \_\_\_\_\_

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| 1. Solve | 2. 5k times of high school boys is normally distributed with a mean of 19.4 minutes and a standard deviation of 1.2 minutes. Find the probability that a high school boy is randomly chosen and has a time below 18 minutes. | 3. Using the information in the previous problem, what would the time be of a boy in the 25th percentile? |
| 4. Find the inverse function of | 5. If f(x) has a domain of [-6, 11) and a range of [0, 10]. What is the domain of  ? | 6. Solve |
| 7. What is the domain of | 8. What is the equation of the circle that has center (1, 4) and passes through (-5, 12) | 9. Write as a single logarithm. |
| 10. Graph. | 11. Find the inverse of | 12. Write in log form.  ? |