Trigonometry/Precalculus Name

More Special Right Triangle/Rationalizing Denominators Practice Date

Day \_\_\_\_\_\_ Block

Use the rules of Special Right Triangles to calculate the missing side of each triangle.

|  |  |
| --- | --- |
| 1)  | 2) |
| 3) | 4)A screenshot of a cell phone  Description automatically generated |

Rationalize each of the following denominators.

|  |  |
| --- | --- |
| 5) A close up of a person  Description automatically generated | 6)A screenshot of a cell phone  Description automatically generated |
| 7)A screenshot of a cell phone  Description automatically generated | 8)A screenshot of a cell phone  Description automatically generated |
| 9) A picture containing object  Description automatically generated | 10)A close up of a person  Description automatically generated |

Write an equation of a line for each of the following: (leave your answer in y = mx + b )

11) a line with slope = ½ that passes through (14,5 ).

12) a line with y-intercept = (0,9) that passes through (20, 4) .

13) a line with slope = -2/3 that passes through (9, 7).

14) While working on the “dedicated fan” problem, a student calculates a slope of .14 for their line of best fit. If the x axis represents the distance from the football field, and the y axis represents the field (width) of vision, what does the slope of the line represent? Explain your answer.