|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Square of a Sum** |  | | | |
| **Square of a Difference** |  | | | |
| **Product of a Sum and Difference** |  | | | |
| **Find each product. Try to use your shortcut rules from above instead of FOILing.** | | | | |
| **Square of a Sum** | | 1) | 2) | 3) |
| 4) | 5) | 6) |
| 7) | 8) | 9) |
| **Square of a Difference** | | 10) | 11) | 12) |
| 13) | 14) | 15) |
| 16) | 17) | 18) |
| **Product of a Sum and Difference** | | 19) | 20) | 21) |
| 22) | 23) | 24) |
| 25) | 26) | 27) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Square of a Sum** |  | | | |
| **Square of a Difference** |  | | | |
| **Product of a Sum and Difference** |  | | | |
| **Mixed Practice!** | | 28) | 29) | 30) |
| 31) | 32) | 33) |
| 34) | 35) | 36) |
| 37) | 38) | 39) |
| 40) Leo wants to make a graph so that it is 3 inches longer on every side. Use a special product to find the area of the new graph. | | | | |
| 41) A basketball court has a width of 3x – 2 feet and a length of 3x + 2 feet. Use a special product to find the area of the basketball court. | | | | |