Multiplying Surds Worksheet

Part 1: Just the root parts. Simplify if possible.

√9 x √10 =	√7 x √4 =	√8 x √6 =
√10 x √8 =	√3 x √6 =	√5 x √9 =
√3 x √7 =	√3 x √4 =	√3 x √9 =
√2 x √6 =	√8 x √5 =	√3 x √8 =
√10 x √6 =	√5 x √6 =	√9 x √5 =
√8 x √8 =	√10 x √7 =	√10 x √10 =
√3 x √3 =	√8 x √10 =	√3 x √7 =
√8 x √7 =	√3 x √8 =	√4 x √8 =
√2 x √10 =	√6 x √8 =	√3 x √3 =
√3 x √9 =	√5 x √2 =	√2 x √5 =

Part 2: Now with whole numbers as well:

5√3 x 4√7 =	5√5 x 6√7 =	7√4 x 2√5 =
2√3 x √5 =	7√5 x 3√10 =	2√4 x 7√5 =
4√3 x 2√4 =	4√2 x 6√9 =	5√6 x 5√8 =
5√4 x 7√4 =	√3 x 6√5 =	7√4 x √2 =
3√2 x 4√8 =	2√6 x 3√5 =	5√3 x 6√7 =
2√4 x 3√10 =	3√5 x 5√2 =	6√5 x 4√3 =
5√5 x 4√2 =	5√5 x √6 =	3√4 x 6√9 =
4√5 x 2√8 =	4√3 x 4√10 =	3√5 x 7√5 =
6√2 x 7√7 =	3√5 x 3√10 =	7√4 x 3√8 =
6√3 x 2√4 =	3√4 x 2√5 =	2√2 x 2√3 =
7√5 x 7√4 =	7√3 x 2√5 =	√4 x 7√5 =
7√6 x 5√3 =	4√3 x 5√6 =	7√5 x √7 =
7√5 x 7√8 =	4√3 x 4√3 =	6√2 x 3√5 =