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| 数学３年第１学期期末テスト　解答用紙 | | | | | | | | | | | | 番 | 氏  名 | |  | | | | | | |
| 知識・理解 | | | | 技能 | | | | | | 数学的な考え方 | | | | | | | | 得点 | | | |
| ／３０ | | | | ／４７ | | | | | | ／２３ | | | | | | | | ／１００ | | | |
| １ | (1) | ① | | | ② | | | | ③ | | | | | ④ | | | | | | ⑤ | |
| ⑥ | | | ⑦ | | | | ⑧ | | | | | ⑨ | | | | | | ⑩ | |
| ２ | (1) | | (2) | | | | | (3) | | | | | (4) | | | | | | | | (5) |
| ３ | (1) | | (2) | | | | | (3) | | | | | (4) | | | | | | | | (5) |
| ４ | (1) | | | | | (2) | | | | | (3) | | | | | | | | (4) | | |
| (5) | | | | | (6) | | | | |
| ５ | (1) | | | | | (2) | | | | | (3) | | | | | | | | (4) | | |
| (5) | | | | | (6) | | | | | (7) | | | | | | | | (8) | | |
| ６ | (1) | | | | | | (2) | | | | | | | | | (3) | | | | | |
| ７ | ① | | | | | ② | | | | | ③ | | | | | | | | ④ | | |
| ⑤ | | | | | ⑥ | | | | | ⑦ | | | | | | | | ⑧ | | |
| ８ | 個 | | | | |
| ９ | (1) | | | | | | | | (4) | | | | | | | | | | | | |
| (2) 十の位（　　　 　）  一の位（　　　　 　） | | | | | | | |
| (3) | | | | | | | |
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| ／３０ | | | | ／４７ | | | | | | ／２３ | | | | | | | | ／１００ | | | |
| １ | (1) | ①　　ア | | | ②　　ウ | | | | ③　　エ | | | | | ④　　サ | | | | | | ⑤　　シ | |
| ⑥　　オ | | | ⑦　　カ | | | | ⑧　　ソ | | | | | ⑨　　ク | | | | | | ⑩　　　・・  　　０．２４ | |
| ２ | (1)  ±８ | | (2)  －６ | | | | | (3)  ＜3 | | | | | (4) | | | | | | | | (5)  ４ |
| ３ | (1)  5x2－15xy | | (2)  ４ｘ－２ | | | | | (3)  x2＋2x－63 | | | | | (4)  x2＋12x＋36 | | | | | | | | (5)  16x2－25y2 |
| ４ | (1)  3a(a+4b) | | | | | (2)  (x-9)(x+8) | | | | | (3)  (2x+3y)2 | | | | | | | | (4)  各２点  (a+2b)(a-2b) | | |
| (5)  a(x-8)(x-2) | | | | | (6)  (a+b)(x-y) | | | | |
| ５ | (1)  ４ | | | | | (2) | | | | | (3)  18 | | | | | | (4)  －3 | | | | |
| (5) | | | | | (6)  4－6 | | | | | (7)  －１３ | | | | | | (8)  44－ | | | | |
| ６ | (1)  (a+3)(a-2)-a(a-3)  ＝4a-6  ４×2.5－６  ＝１０－６  ＝４ | | | | | | (2)  (57-43)(57+43)  ＝１４×１００  ＝１４００ | | | | | | | | | (3)  素因数分解すると  各３点  62×５×２  よって5×2＝１０ | | | | | |
| ７ | ①  p+2a | | | | | ②  (p+2a)2 | | | | | ③  p2 | | | | | | | | ④  各１点  4ap+4a2 | | |
| ⑤  p+a | | | | | ⑥  4p+4a | | | | | ⑦  p+a | | | | | | | | ⑧  4(p+a) | | |
| ８ | ２５　　個 | | | | |
| ９ | (1)    3149　　2516　　2236　　3481 | | | | | | | | (4)　1の位は同じ数なので、2つの2ケタの数をそれぞれ　１０ａ＋ｃ、１０ｂ＋ｃとすると、その積は  (10a+c)(10b+c)＝100ａb＋10ac＋10bc＋c2  各３点  ＝100ａb＋10c(a＋b)＋c2  ここでａ＋ｂ＝１０なので、  ＝100ab＋100c＋c2  ＝100(ab+c)＋c2  よって、100の位以上は10の位の数をかけたものに1の位の数をたしたもの。10の位以下は1の位の同じ数同士をかけたものになる。 | | | | | | | | | | | | |
| (2) 十の位（和が１０ 　）  一の位（同じ数 　） | | | | | | | |
| (3)100の位以上は10の位の数をかけたものに1の位の数をたしたもの。10の位以下は1の位の同じ数同士をかけたもの | | | | | | | |